NITFS
Compliance Registration

Product: Controlled Image Base (CIB) Production System Revision 4_3

Sponsor: Orbital Imaging Corporation

Developer: Orbital Imaging Corporation

Date: 26 April 2005
Expiration: 25 April 2007
Registration #: 342

- ☐ Initial Registration
- ☒ Supplemental/Update 340 #
- ☐ Derived from Reg. #

System
N-0105/98, §4.1.1

Product
N-0105/98, §4.1.2

Component
N-0105/98, §4.1.3

Complexity Level

NITF 2.1 CLEVEL

	3	5	6	7
Interpret				
Generate				

NITF 2.0 CLEVEL

	1	2	3	4	5	6	Oth
Interpret							
Generate	●	●	●				

Configurations Tested:

-SGI MIPSPro C Compiler, Perl Version 5; IRIX 6.5

-Hybrid: SGI MIPSPro C Compiler, Perl Version 5, MSVC++V4.0 through SFU DSK; Windows XP Pro

-SGI MIPSPro C Compiler, Perl Version 5, Linux gcc version 3.2.2; Red Hat Linux 7.2

-HP a C++ Complier C.05.55, Perl Version 5; HP-UX B.11.23

** NITF 2.0 feature
* NITF 2.1 feature

NITFS Features Implemented:

Format
- **NITF**
  - ○ ○ v2.1
  - ○ ● v2.0
  - ○   v1.1
- **NSIF**
  - ○ ○ v1.0

Pixel Value Types
- ○ ○ Boolean
- ○ ● Integer
- ○ ○ Signed Integer *
- ○ ○ IEEE Real *
- ○ ○ IEEE Complex *

Annotation Segment Types
- ○ ○ Bit Mapped **
- ○ ○ CGM, 2301
- ○ ○ CGM, 2301A
- ○ ○ Labels **

Text Segments
- ○ ○ STA
- ○ ○ UT1
- ○ ○ U8S
- ○ ○ MTF

Image Segment Types
- ○ ● MONO
- ○ ○ RGB
- ○ ○ RGB/LUT
- ○ ○ YCbCr
- ○ ○ MULTI
- ○ ○ NODISPLY
- ○ ○ POLAR

Image Compression
- ○ ○ Not Compressed
- ○ ○ JPEG Lossy, 8-bit
- ○ ○ JPEG Lossy, 12-bit
- ○ ○ JPEG Downsample
- ○ ○ JPEG Lossless
- ○ ○ JPEG 2000
- ○ ○ Bi-Level
- ● Vector Quantization
- ○ ○ Multispectral JPEG, Individual Band

Data Extension Segments
- ○ ○ TRE_OVERFLOW
- ○ ○ STREAMING_FILE_HEADER
- ○ ○ Controlled Extensions **
- ○ ● Registered Extensions **

Tagged Record Extensions
- Registered TREs
  - RPFHDR
  - RPFIMG
  - RPFDES

Legend

Interpret Generate	
●	Fully implemented
◑	Partially implemented
○	Not implemented

EDWARD E. BOYLES II, Division Chief
Joint Interoperability Test Command
Executive Agent to National Geospatial-Intelligence Agency for the NITFS Test and Evaluation Program

Registration does not guarantee that a product will meet all users' requirements. Potential users should evaluate the detailed test results to determine the suitability of a product for the intended use. Optional NITFS features may not be implemented.